

**From:** Eric Lovell  
**To:** [McClintock, Katie](#); [monro.david@deq.state.or.us](mailto:monro.david@deq.state.or.us)  
**Subject:** Uroboros report  
**Date:** Monday, February 15, 2016 4:05:13 PM  
**Attachments:** [removed.txt](#)

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Dear Ms. McClintock and Mr. Monroe,

Per Ms. McClintock's request, we are accumulating a packet of documents for you both. I may email a few sample documents to Ms. McClintock for approval of their format Tuesday AM.

Meanwhile, I would like to know what data you are using to support the idea that hexavalent chromium, Cadmium, or any other metal vapors, are being emitted from melts in the Uroboros furnaces. You appear to be relying on some outside information other than physical testing around Uroboros' location for your decision to direct the suspension of use of these chemicals here. Perhaps this information is in the form of studies that specifically examine metal vapor volatilization rates in glass melters. I have never seen such studies, but if they exist and you have access to them, I would like to know what the study parameters were, so I would appreciate copies to help me understand your suspension directives and work toward a rapid solution.

For examples:

- Was peak melt temperature a factor in volatilization rates?
- Was there a correlation between metal oxide source compounds and variations in the vapor emissions?
- What type of furnaces were used during the tests?

These are urgent questions for Uroboros Glass, since despite the fact that no test has determined that we emit any, let alone excessive levels of Hex. Chromium, we have already voluntarily suspended production of over 2/3 of our entire product line. There is not much time before Uroboros Glass will be insolvent if this situation isn't changed. I am laying people off starting today that have been employed here for decades, and have moved to suspend dozens of normally ongoing activities due to the uncertainty.

If your goal is to shut us down without ever determining if we actually emitted or not, feel free not to reply. If you want to participate in a solution for the situation, provide me the data and reports you must have access to so I can study and learn from them, in the hopes of finding a solution quicker.

Sincerely,

Eric Lovell  
President



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